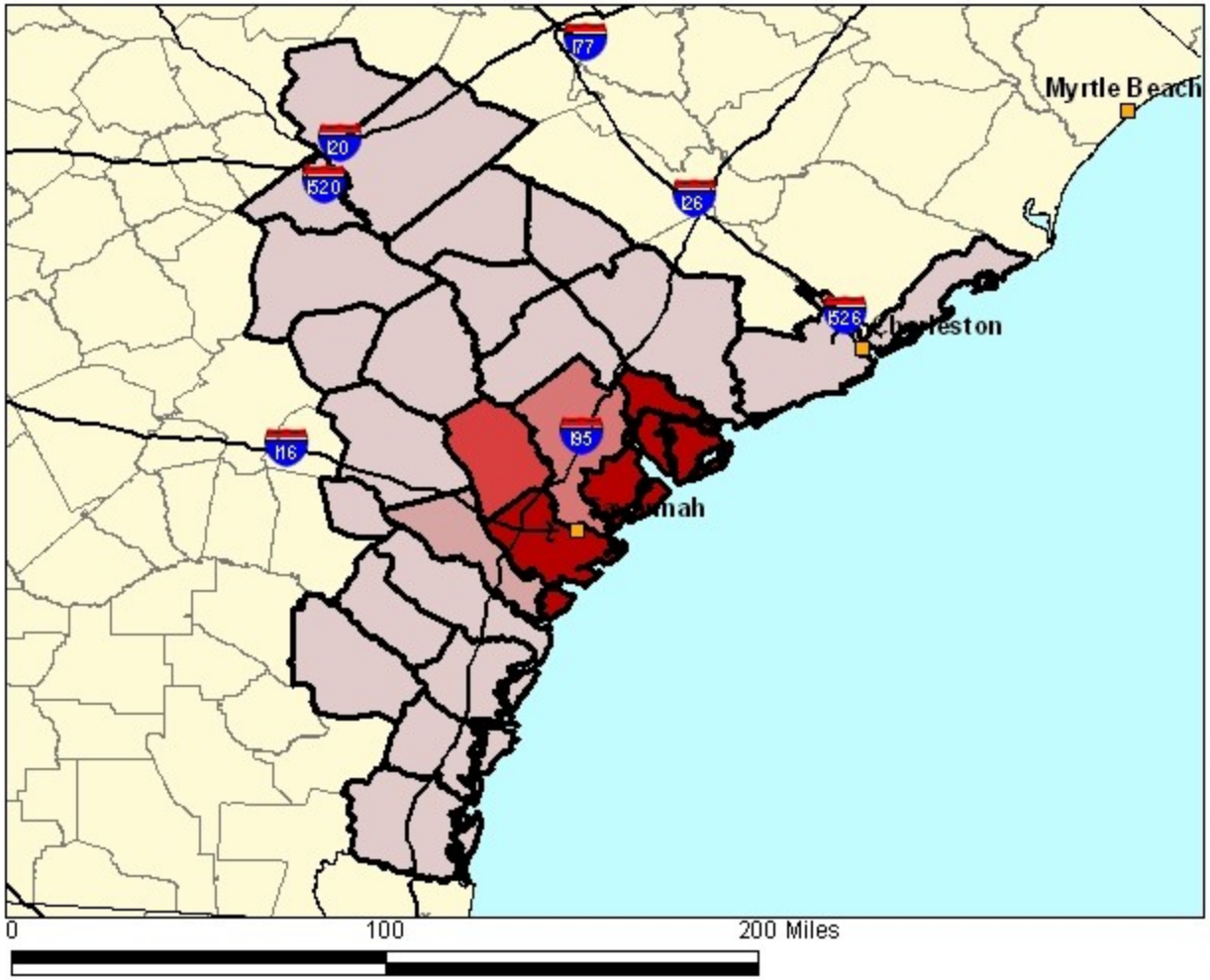
US Army Corps of Engineers

Hurricane Exercise Debris Model

Landfall Expected In About **4** Hours

For Official Use Only!



Post Landfall Debris Model Results

Georgia - 6,907,000 Yards
South Carolina - 2,340,000 Yards

Model results per county on following page

This model is based on a Category 3 storm making landfall near Savannah, GA.

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 3 storm making landfall near Savannah, GA. These projections are based on information from the NHC (1400 EDT 06/05/2007) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

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US Army Corps of Engineers

Hurricane Exercise Debris Model

Landfall Expected In About **4** Hours

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State	Yards per State	County	Yards per County
Georgia		Bryan	148,000
		Bulloch	29,000
		Burke	9,000
		Camden	5,000
		Chatham	5,821,000
		Effingham	671,000
		Evans	< 1,000
		Glynn	52,000
		Jenkins	< 1,000
		Liberty	69,000
		Long	4,000
		Mcintosh	30,000
		Richmond	11,000
		Screven	58,000
		Wayne	< 1,000
Georgia	6,907,000		
South Carolina		Aiken	88,000
		Allendale	38,000
		Bamberg	< 1,000
		Barnwell	12,000
		Beaufort	1,699,000
		Charleston	< 1,000
		Colleton	6,000
		Edgefield	8,000
		Hampton	66,000
		Jasper	423,000
South Carolina	2,340,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

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Hurricane Exercise Debris Model

Generated By:
Siemsen, LRL 1430 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Population Model

Landfall Expected In About **4** Hours

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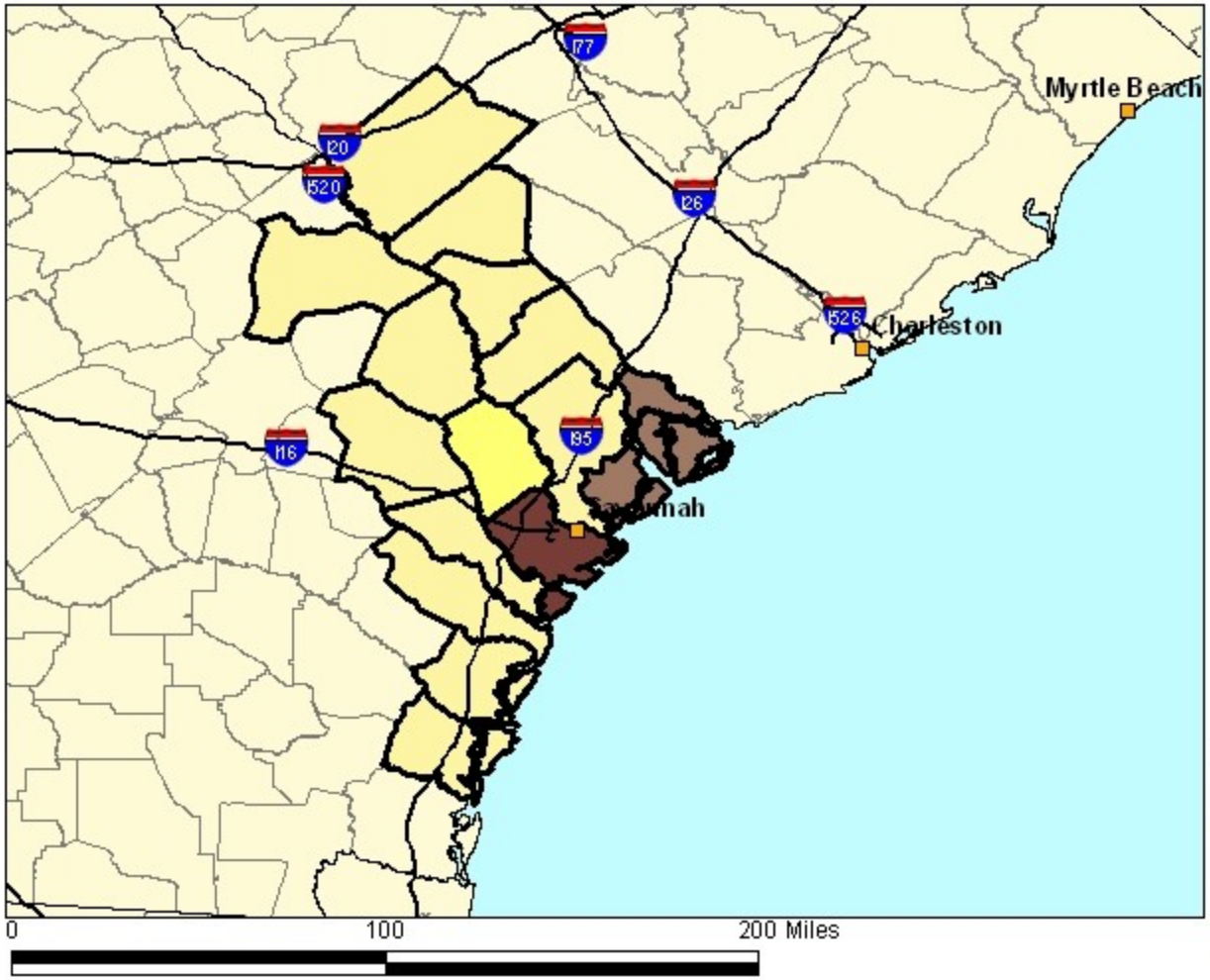

Post Landfall Population Model Results

Georgia - 343,000
South Carolina - 174,000

Model results per county on following page

This model is based on a Category 3 storm making landfall near Savannah, GA.

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 3 storm making landfall near Savannah, GA. These projections are based on information from the NHC (1400 EDT 06/05/2007) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Population Model	
Generated By: Siemsen, LRL 1430 EDT 06/05/2007	
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US Army Corps of Engineers

Hurricane Exercise Population Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	Population per State	County	Population per County
Georgia		Bryan	23,000
		Bulloch	3,000
		Burke	2,000
		Chatham	239,000
		Effingham	47,000
		Glynn	4,000
		Liberty	10,000
		Mcintosh	6,000
		Screven	9,000
Georgia	343,000		
South Carolina		Aiken	< 1,000
		Allendale	8,000
		Barnwell	2,000
		Beaufort	131,000
		Hampton	11,000
		Jasper	22,000
South Carolina	174,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

Hurricane Exercise Population Model

Generated By:
Siemsen, LRL 1430 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Households Model

Landfall Expected In About **4** Hours

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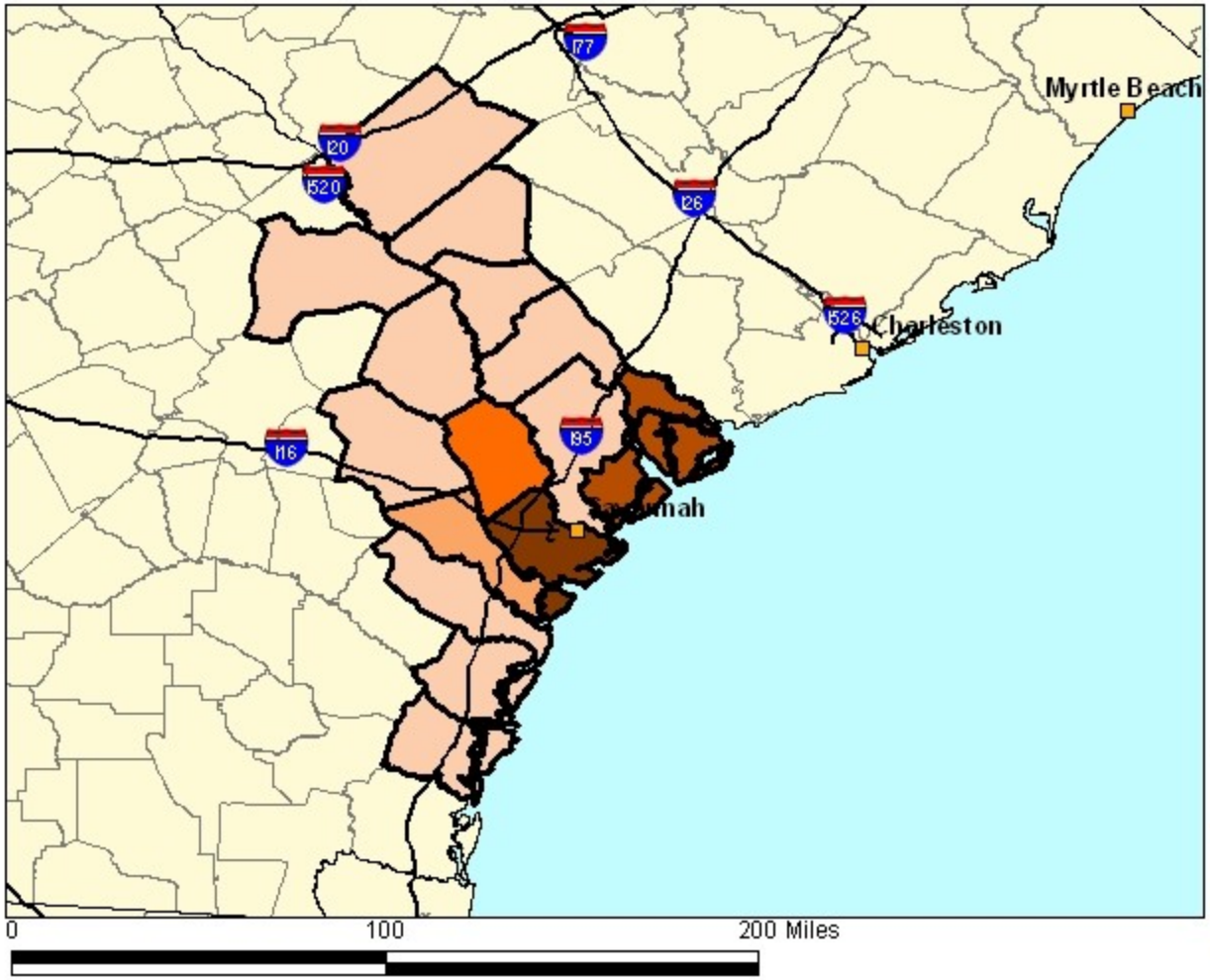

Post Landfall Households Model Results

Georgia - 133,000
South Carolina - 65,000

Model results per county on following page

This model is based on a Category 3 storm making landfall near Savannah, GA.

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 3 storm making landfall near Savannah, GA. These projections are based on information from the NHC (1400 EDT 06/05/2007) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

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Sources: HURREVAC LRL-DEBRIS	Page 5 of 12

US Army Corps of Engineers

Hurricane Exercise Households Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	Households per State	County	Households per County
Georgia		Bryan	8,000
		Bulloch	2,000
		Burke	< 1,000
		Chatham	93,000
		Effingham	17,000
		Glynn	2,000
		Liberty	4,000
		Mcintosh	3,000
		Screven	4,000
Georgia	133,000		
South Carolina		Aiken	< 1,000
		Allendale	3,000
		Barnwell	< 1,000
		Beaufort	50,000
		Hampton	4,000
		Jasper	8,000
South Carolina	65,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Exercise Commodities Model

Landfall Expected In About **4** Hours

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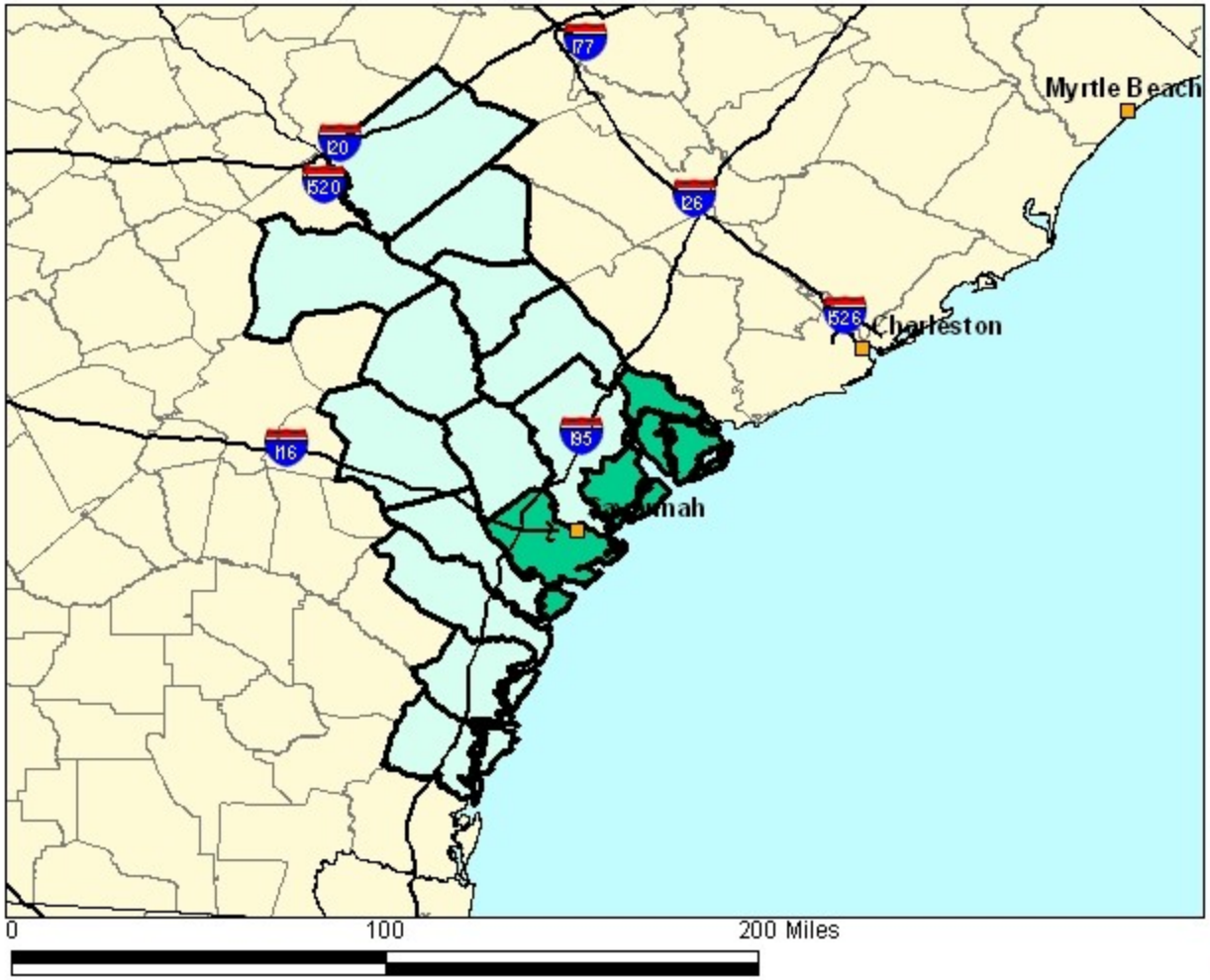

Post Landfall Ice/Water Model Results

Day One / Day Two / Day Three
GA – 8/16/32 Truckloads Each
SC – 4/8/17 Truckloads Each

Model results per county on following page

This model is based on a Category 3 storm making landfall near Savannah, GA.

Commodities
- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 3 storm making landfall near Savannah, GA. These projections are based on information from the NHC ***(1400 EDT 06/05/2007)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input. The graphic represents single day needs with full distribution system in place and operating.
Details about this model may be obtained at **https://englink.usace.army.mil**
or contact ENGLink at 1-877-936-4546

Hurricane Exercise Commodities Model	
Generated By: Siemsen, LRL 1430 EDT 06/05/2007	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Exercise Commodities Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	Truckloads per State	County	Truckloads per County
Georgia		Bryan	2
		Bulloch	1
		Burke	1
		Chatham	20
		Effingham	4
		Glynn	1
		Liberty	1
		Mcintosh	1
		Screven	1
Georgia	32		
South Carolina		Aiken	1
		Allendale	1
		Barnwell	1
		Beaufort	11
		Hampton	1
		Jasper	2
South Carolina	17		

The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system. The assumption in this scenario is that 40% of the resident population affected by the hurricane will have power outage in this area and cause a need for ice and water.

Details about this model may be obtained at **https://englink.usace.army.mil**
or contact ENGLink at 1-877-936-4546

Hurricane Exercise Commodities Model

Generated By:
Siemsen, LRL 1430 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Temporary Housing Model

Landfall Expected In About **4** Hours

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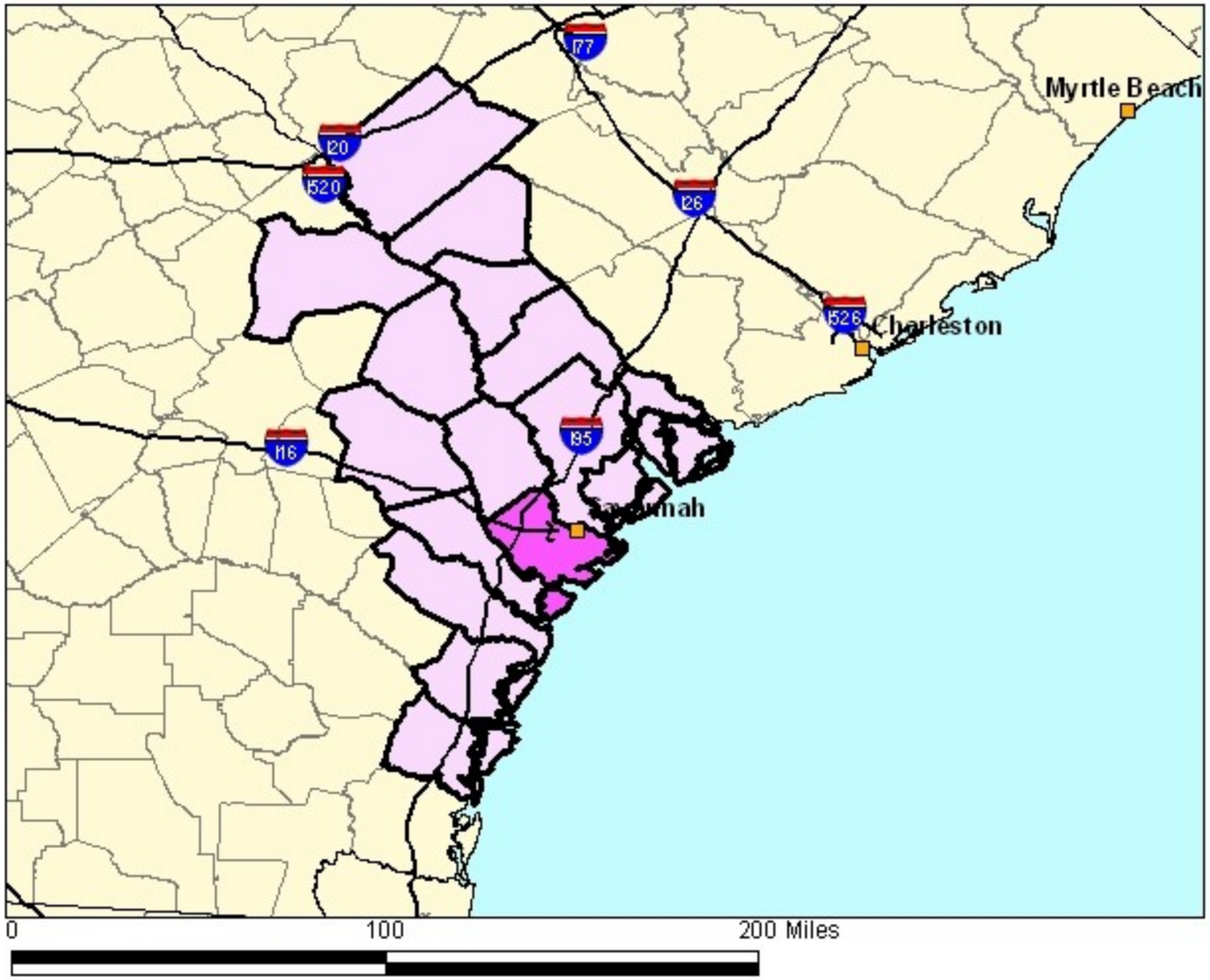

Post Landfall Temporary Housing Model Results

Georgia - 5,800
South Carolina - 1,900

Model results per county on following page

This model is based on a Category 3 storm making landfall near Savannah, GA.

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall near Savannah, GA. These projections are based on information from the NHC (1400 EDT 06/05/2007) forecast. Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Housing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 9 of 12

US Army Corps of Engineers

Hurricane Exercise Temporary Housing Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	per State	County	per County
Georgia		Bryan	200
		Bulloch	< 100
		Burke	< 100
		Chatham	5,000
		Effingham	600
		Glynn	< 100
		Liberty	< 100
		Mcintosh	< 100
		Screven	< 100
Georgia	5,800		
South Carolina		Aiken	< 100
		Allendale	< 100
		Barnwell	< 100
		Beaufort	1,600
		Hampton	< 100
		Jasper	300
South Carolina	1,900		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Exercise Housing Model

Generated By:
Siemsen, LRL 1430 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Temporary Roofing Model

Landfall Expected In About **4** Hours

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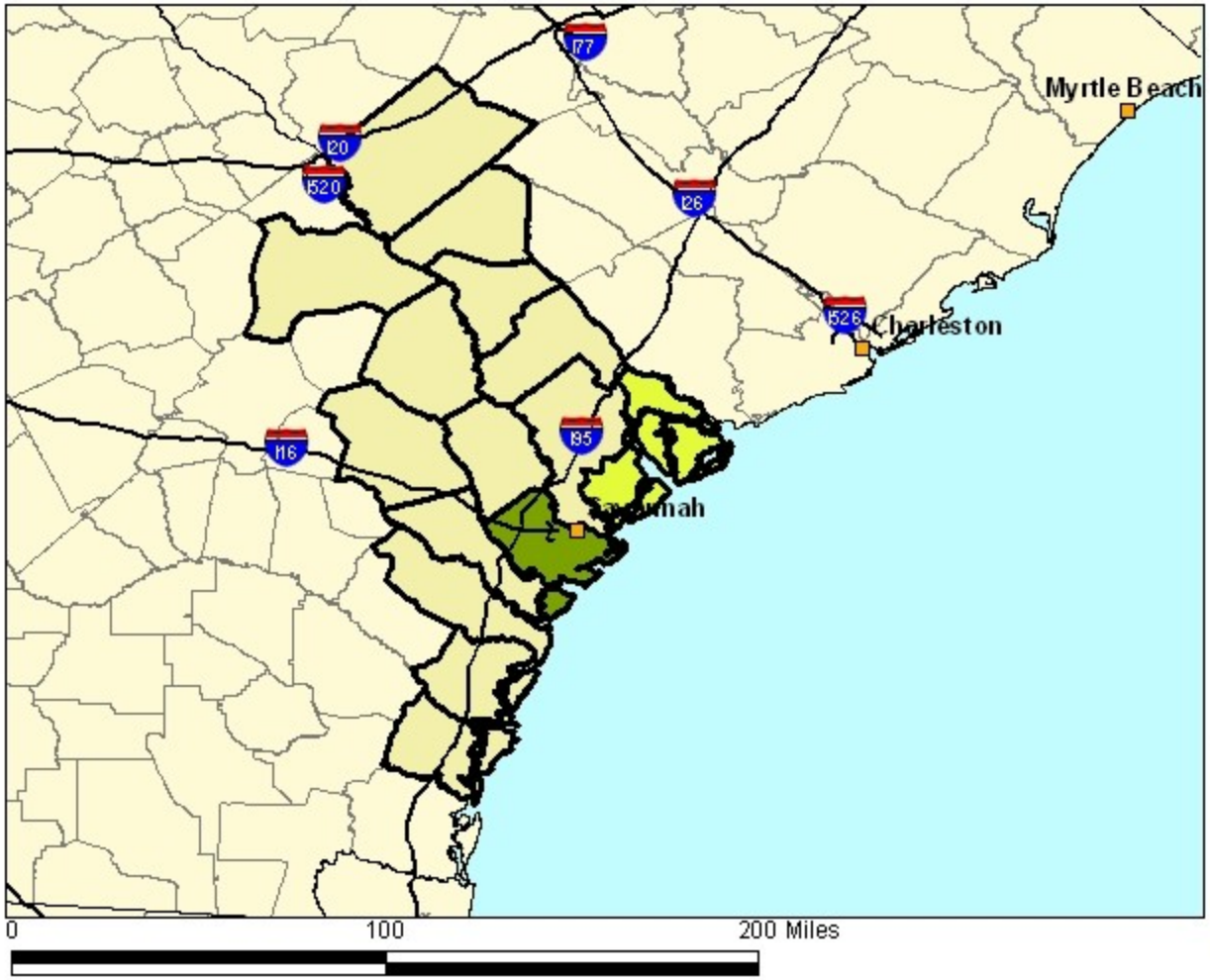

Post Landfall Temporary Roofing Model Results

Georgia - 12,100
South Carolina - 3,900

Model results per county on following page

This model is based on a Category 3 storm making landfall near Savannah, GA.

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall near Savannah, GA. These projections are based on information from the NHC (1400 EDT 06/05/2007) forecast. Temporary roofing is based on 2% in CAT 1, 6% in CAT 2 and 10% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

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Sources: HURREVAC LRL-DEBRIS	Page 11 of 12

US Army Corps of Engineers

Hurricane Exercise Temporary Roofing Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	House Units per State	County	House Units per County
Georgia		Bryan	400
		Bulloch	< 100
		Burke	< 100
		Chatham	9,600
		Effingham	1,700
		Glynn	< 100
		Liberty	200
		Mcintosh	< 100
		Screven	< 100
Georgia	12,100		
South Carolina		Aiken	< 100
		Allendale	< 100
		Barnwell	< 100
		Beaufort	3,100
		Hampton	200
		Jasper	600
South Carolina	3,900		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary roofing is based on 2% in CAT 1, 6% in CAT 2 and 10% in CAT 3.

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Hurricane Exercise Roofing Model

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LRL-DEBRIS